

## IN THE CLAIMS

Please amend the following claims:

1 1. (Currently Amended) A heart ~~prosthesis/artificial heart comprising a series of drawing and~~  
2 ~~pressing means and intended to be implanted in a patient to replace the pumping activity of a~~  
3 ~~heart, whereby comprises~~ prosthesis intended to be implanted in a patient to replace the  
4 pumping activity of a heart comprising at least [[tow]] two compartments, substantially  
5 surrounded by rigid-wall provided house a house with a rigid wall and containing a number of  
6 drawing and/or pressing devices, which are partly fixedly attached to said rigid-wall provided  
7 house, partly fixedly attached to a flexible, elastic wall layer arranged in a respective  
8 compartment, whereby the drawing and/or pressing devices are arranged to draw said elastic  
9 wall layer towards said rigid-wall provided house for filling said compartments, the prosthesis  
10 also comprising ~~wherein it comprises~~ two halves, comprising an atrium, and ventricles as  
11 compartments, respectively, separated with a valve provided by a plate with at least one valve,  
12 which plate is arranged to be able to be moved between the ventricles and the atriums by  
13 means of drawing and/or pressing devices arranged in said rigid wall provided house.

1 2. (Currently Amended) A heart prosthesis according to claim 1, wherein it comprises four  
2 ~~compartment~~ compartments.

1 3. (Currently Amended) A heart prosthesis according to claim 1, wherein the drawing and/or  
2 pressing devices are drawing and pressing electromechanical devices, respectively, including  
3 ~~electro-magnets~~ electromagnets.

1 4. (Currently Amended) A heart prosthesis according to claim 1, wherein said plate is arranged  
2 to be moved by means of ~~electro-magnets~~ electromagnets or a hydraulic device arranged in said  
3 wall.

1 5. (Previously Presented) A heart prosthesis according to claim 1, wherein the drawing and/or  
2 pressing devices are drawing, and pressing, respectively, hydraulically activated pistons.

1 6. (Currently Amended) A heart prosthesis according to claim 1, wherein it is arranged to be  
2 controlled digitally via a ~~soft-ware~~ software present in a circuit board in a diastole, atrium  
3 systole, and systole phase, respectively.

1 7. (Previously Presented) A heart prosthesis according to claim 1, wherein it is supplied with  
2 energy from one or more DC batteries.